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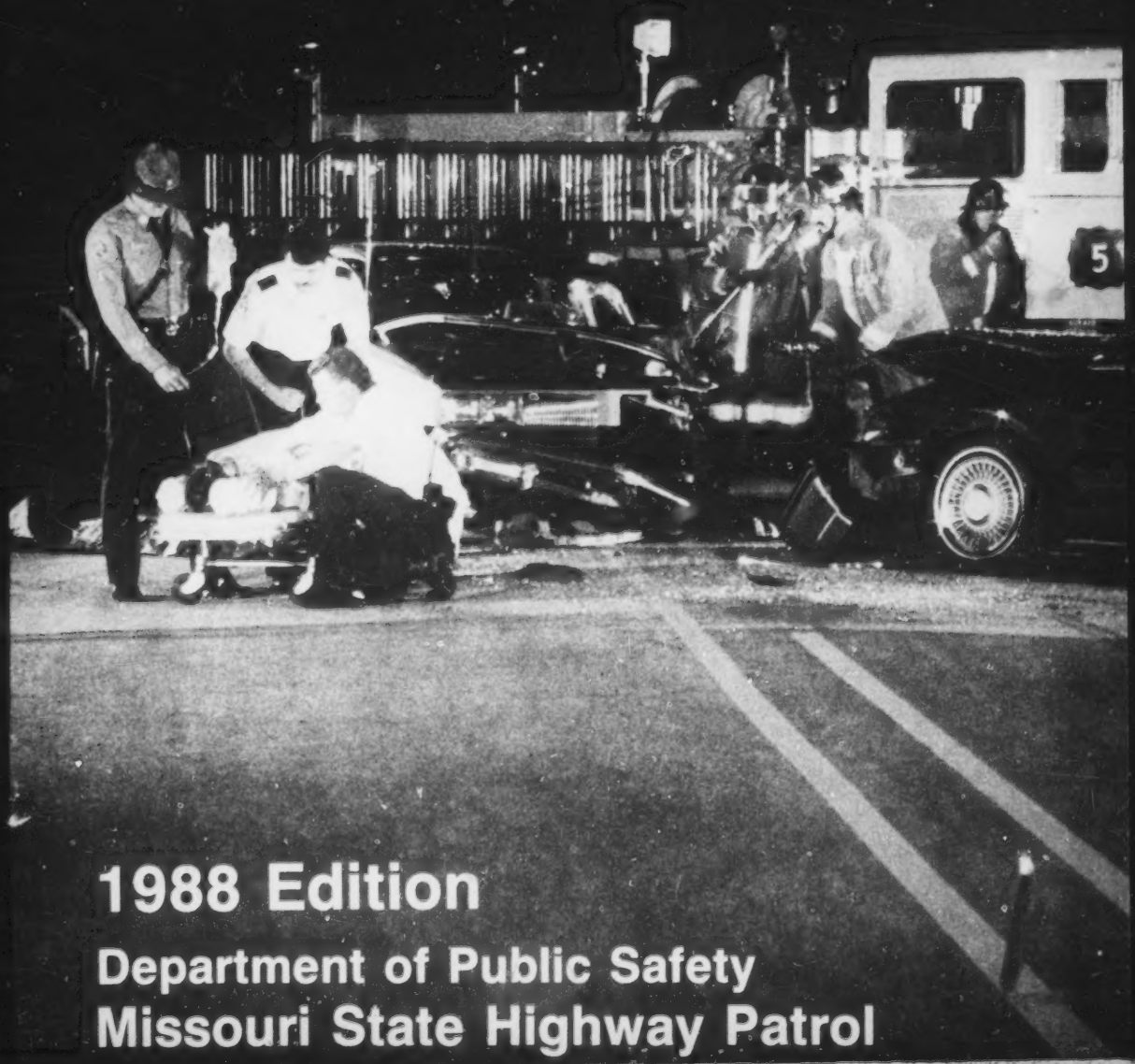
MISSOURI TRAFFIC CRASHES



1988 Edition

Department of Public Safety
Missouri State Highway Patrol

INTRODUCTION

This booklet is published by the Missouri State Highway Patrol as an aid to persons who are interested in the traffic accident problem in Missouri. It contains information which provides for a comprehensive look at the Statewide accident problems as experienced in 1987.

The Missouri State Highway Patrol is the central traffic accident data collection agency for the State of Missouri. Data on both rural and urban traffic crashes is made available to this agency. Law enforcement agencies throughout the State provide the Highway Patrol with copies of their accident reports. All reports of traffic accidents including those investigated by the Missouri State Highway Patrol are tabulated and analyzed by this agency. It is thus due, in part, to the continued cooperation of these law enforcement agencies that a meaningful picture of the statewide accident experience is available to interested persons.

Speed continues to be one of the leading causes for traffic crashes in the State of Missouri. We had a seven percent decrease in fatalities in 1987 as compared to the previous year, but we could have done better. How? By getting people to obey the speed limits, especially on the interstate highway system. Studies show that as speed increases so do fatalities. This was exemplified in Missouri last year (May 1) when the speed limit on most of the interstate system was increased to 65 miles per hour. There was a 27 percent increase in traffic deaths on these roads while other highways experienced a decrease in fatalities.

Another way we could have done better was by getting more occupants of vehicles to wear seat belts. We see so many of these victims as reported not to be wearing seat belts. In 1987, 588 of the occupants who were killed in vehicle crashes were not wearing a seat belt. Increase seat belt usage no doubt would have decreased the number of traffic fatalities and serious injuries.

Law enforcement must continue to vigorously enforce the speed limits. At the same time, safety education must be accelerated to emphasize the effectiveness of seat belts. All of us who are interested in the saving of lives must continue to promote enforcement of the traffic laws and the expanded use of occupant restraints. Although a seven percent reduction in traffic deaths in Missouri can be looked upon as an accomplishment, let us not be satisfied as long as there are persons being killed on our highways.

It is hoped that the information in this booklet will be of value to you. Certainly it is the most comprehensive look available of the accident problem in Missouri.

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Nationwide

Traffic Accidents

	1986	1987
KILLED	47,800	48,800
INJURED(Est.)	1,800,000	1,800,000
COST(Economic Loss)	$55,200,000,000	$62,800,000,000
DEATHS PER 100 MILLION MILES	2.6	2.5
VEHICLE REGISTRATION	181,900,000	186,137,000

Missouri

Traffic Crash Statistics

	1986	1987
KILLED	1,143	1,058
INJURED (includes pos. injury)	69,445	67,736
ECONOMIC LOSS	$1,100,070,000	$1,158,640,000
LICENSED DRIVERS(Approx.)	3,436,028	3,472,027
MOTOR VEHICLES REGISTERED	3,737,386 *	3,760,948*
MILES OF TRAVEL	41,572,000,000	43,379,000,000
DEATHS PER 100 MILLION MILES	2.74	2.44

*Source of information has been changed. Data is now obtained from Missouri Transportation and Highway Department.

STATEWIDE TRAFFIC ACCIDENTS IN MISSOURI

STATEWIDE ACCIDENTS

TYPE OF ACCIDENT	FATAL	INJURY	PROP. DAMAGE	TOTAL	%
OVERTURNING	101	2,429	1,770	4,300	2.5
OTHER NON-COLLISION	8	347	1,114	1,469	0.9
PEDESTRIAN	86	2,005	49	2,140	1.3
MOTOR VEHICLE IN TRANSPORT	384	27,522	83,708	111,614	65.9
MOTOR VEHICLE ON OTHER ROADWAY	10	117	265	392	0.2
PARKED MOTOR VEHICLE	14	1,421	15,501	16,936	10.0
RAILWAY TRAIN	10	70	93	173	0.1
PEDALCYCLIST	16	1,180	217	1,413	0.8
ANIMAL	2	193	3,800	3,995	2.4
FIXED OBJECT	304	9,266	16,529	26,099	15.4
OTHER OBJECT	5	126	736	867	0.5
TOTAL	940	44,676	123,782	169,398	
PERCENTAGE	0.55	26.37	73.07	100.0	100.0

*THE TYPE OF ACCIDENT IS DETERMINED BY THE FIRST HARMFUL EVENT

PERSONS INVOLVED

TYPE OF ACCIDENT	KILLED	INJURED	TOTAL	%
OVERTURNING	105	3,414	3,519	5.1
OTHER NON-COLLISION	8	412	420	.6
PEDESTRIAN	88	2,107	2,195	3.2
MOTOR VEHICLE IN TRANSPORT	461	45,403	45,864	66.7
MOTOR VEHICLE ON OTHER ROADWAY	12	242	254	.4
PARKED MOTOR VEHICLE	16	1,780	1,796	2.6
RAILWAY TRAIN	11	90	101	.1
PEDALCYCLIST	16	1,226	1,242	1.8
ANIMAL	2	236	238	0.3
FIXED OBJECT	334	12,642	12,976	18.9
OTHER OBJECT	5	184	189	.3
TOTAL	1,058	67,736	68,794	100.0

*THE TYPE OF ACCIDENT IS DETERMINED BY THE FIRST HARMFUL EVENT

Missouri

TRAFFIC CRASH STATISTICS

ATCHISON 1 2.3 -2
NODAWAY 5 6.3 +1
WORTH 1 0.8 -1
HARRISON 7 2.6 +1
MERCER 1 1.6 -1
PUTNAM 1 1.6 -1
SCHUYLER 1 1.7 -5
SCOTLAND 1 2.1 -1
CLARK 0 3.8 -9
HOLT 5 1.9 +2
GENTRY 0 1.7 -3
SULLIVAN 3 1.5 -1
ADAIR 4 4.9 +1
KNOX 0 0.7 -0-
LEWIS 4 3.2 -1
ANDREW 3 4.8 +3
DE KALB 5 2.8 -2
GRUNDY 2 3.5 +1
LINN 8 3.7 -0-
MACON 4 3.7 +1
SHELBY 1 2.0 -1
MARION 7 6.1 -0-
BUCHANAN 11 13.5 -11
CLINTON 6 3.7 +2
CALDWELL 7 4.1 +5
LIVINGSTON 5 2.8 +1
CHARITON 3 3.3 -3
RANDOLPH 3 5.5 -1
MONROE 1 2.4 -1
RALLS 3 3.4 +2
PIKE 7 5.4 -0-
PLATTE 15 12.1 -1
CLAY 16 23.1 -14
RAY 5 5.6 -0-
CARROLL 3 5.4 -1
SALINE 5 6.2 -1
HOWARD 1 2.4 -4
AUDRAIN 5 5.2 +4
BOONE 16 14.2 -8
CALLAWAY 5 9.2 -17
MONTGOMERY 7 5.1 +5
LINCOLN 8 8.5 +2
JACKSON 98 106.6 -16
LAFAYETTE 10 12.0 -2
COOPER 5 4.9 -0-
WARREN 3 6.1 -2
ST CHARLES 31 31.1 +3
ST LOUIS 102 102.7 -22
ST LOUIS CITY (Not in County) 39 53.7 -47
CASS 11 12.1 +2
JOHNSON 10 9.8 -1
PETTIS 5 6.8 -1
MONITEAU 4 3.0 -1
MORGAN 1 4.2 -2
COLE 10 8.2 +3
OSAGE 6 4.5 -0-
GASCONADE 0 4.4 -6
FRANKLIN 23 23.9 -1
JEFFERSON 51 41.0 +25
BATES 4 6.0 -0-
HENRY 7 6.8 -1
BENTON 10 7.2 +3
MILLER 5 6.8 -4
MARIES 3 3.8 +1
ST CLAIR 8 6.6 -6
CAMDEN 14 10.6 +1
CRAWFORD 9 8.1 -2
WASHINGTON 7 7.1 +1
VERNON 7 8.2 -5
HICKORY 4 2.8 +2
PULASKI 11 8.6 +2
PHELPS 13 11.0 +6
GASCONADE 7 6.4 -3
PERRY 8 4.0 +3
CEDAR 4 3.6 +3
DALLAS 5 6.9 -0-
LACLEDE 7 8.6 -4
POLK 12 6.8 +7
DENT 5 4.7 -3
IRON 11 5.2 +5
MADISON 4 3.6 -2
BOLLINGER 4 3.5 +1
CAPE GIRARDEAU 9 10.4 +2
BARTON 4 3.4 -1
DADE 2 2.4 -1
GREENE 38 34.4 +4
WEBSTER 7 5.6 -10
WRIGHT 6 5.8 -1
TEXAS 10 9.3 +2
REYNOLDS 2 3.6 -0-
SHANNON 0 2.5 -6
WAYNE 6 6.1 +3
SCOTT 5 6.8 -12
JASPER 27 21.7 +6
LAWRENCE 11 8.6 +8
CHRISTIAN 7 10.5 -3
DOUGLAS 4 3.8 -6
HOWELL 12 10.0 -0-
CARTER 4 3.7 +1
STODDARD 13 8.2 +5
NEWTON 24 19.1 +8
STONE 5 5.0 -0-
OREGON 2 4.3 -4
RIPLEY 2 3.3 -0-
BUTLER 12 11.8 +1
NEW MADRID 8 8.8 +1
BARRY 4 7.6 -10
TANEY 4 8.1 -6
OZARK 7 4.1 +2
MC DONALD 11 8.2 +3
DUNKLIN 11 9.3 -5
PEMISCOT 6 9.1 -2

STATE-WIDE TRAFFIC DEATHS BY COUNTY - The numbers on this map include both rural and urban traffic deaths for each county and the City of St. Louis. The City of St. Louis is carried separately because it is not located within a county.

The first figure in each county represents the total deaths during 1987. The second figure (the figure with the decimal point) represents the average deaths per year for the last ten years. By removing the decimal point, the number represents the total deaths for a 10-year period. The third figure indicates the increase or decrease of traffic fatalities in each county from the year 1986 to 1987. If there is no change it will be indicated by a -0-.

For example: Atchison, the topmost, western county, shows that 1 person(s) was killed last year. There has been an average of 2.3 persons killed each year for the last 10 years or a total of 23 over the 10-year period.

STATEWIDE TRAFFIC DEATHS BY MONTH

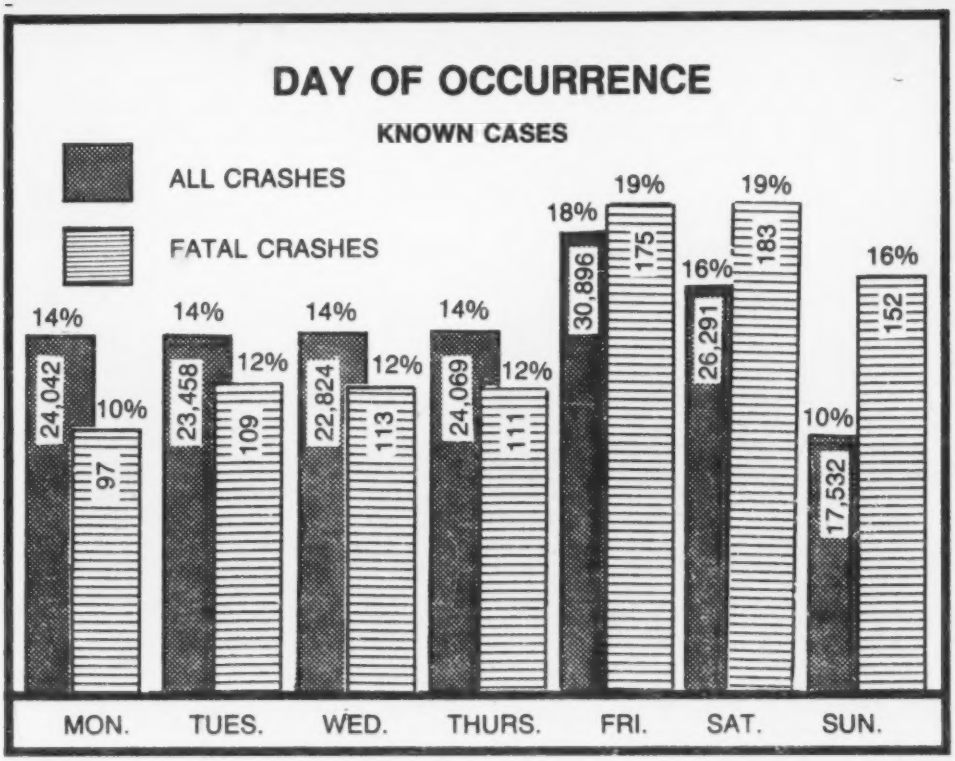
	1986			1987		
	RURAL	URBAN	TOTAL	RURAL	URBAN	TOTAL
January	56	21	77	71	24	95
February	40	14	54	36	24	60
March	64	15	79	52	23	75
April	79	26	105	56	23	79
May	72	30	102	76	26	102
June	85	32	117	71	24	95
July	87	30	117	55	17	72
August	87	28	115	67	32	99
September	79	24	103	64	28	92
October	64	26	90	91	32	123
November	66	25	91	67	20	87
December	61	32	93	58	21	79
TOTAL	840	303	1,143	764	294	1,058

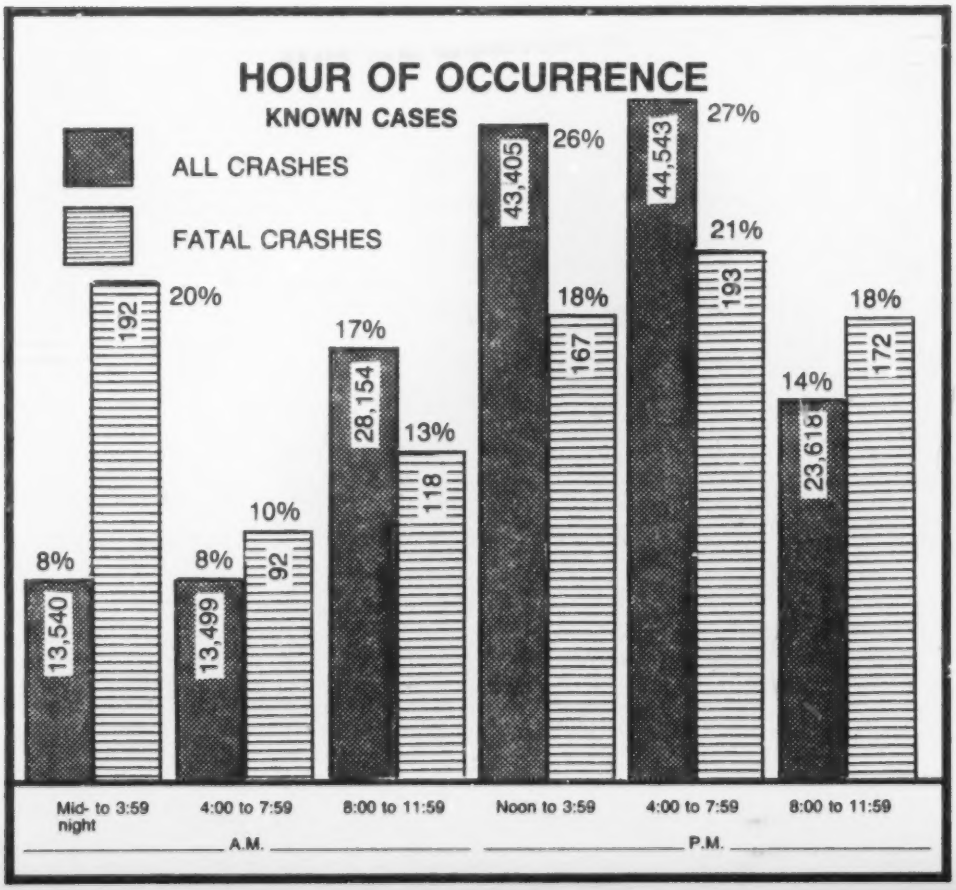
MISSOURI'S TRAFFIC FATALITY DEATH RATE

(per 100 million miles of travel)

YEAR	DEATH RATE	NUMBER KILLED
1956	6.4	1,132
1957	5.5	996
1958	5.3	978
1959	5.1	990
1960	5.3	1,048
1961	4.6	934
1962	5.0	1,018
1963	5.5	1,168
1964	6.1	1,293
1965	6.3	1,370
1966	6.1	1,379
1967	5.5	1,322
1968	6.0	1,498
1969	5.7	1,528
1970	5.68	1,467
1971	5.13	1,415

YEAR	DEATH RATE	NUMBER KILLED
1972	5.04	1,482
1973	4.71	1,452
1974	3.60	1,046
1975	3.50	1,075
1976	3.70	1,209
1977	3.62	1,211
1978	3.53	1,224
1979	3.36	1,162
1980	3.51	1,191
1981	3.04	1,056
1982	2.59	908
1983	2.52	921
1984	2.58	991
1985	2.41	948
1986	2.74	1,143
1987	2.44	1,058


DAY OF OCCURRENCE
KNOWN CASES
ALL CRASHES
FATAL CRASHES
14%
24,042
10%
97
14%
23,458
12%
109
14%
22,824
12%
113
14%
24,069
12%
111
18%
30,896
19%
175
16%
26,291
19%
183
10%
17,532
16%
152
MON.
TUES.
WED.
THURS.
FRI.
SAT.
SUN.


HOUR OF OCCURRENCE
KNOWN CASES
ALL CRASHES
FATAL CRASHES
8%
13,540
20%
192
8%
13,499
10%
92
17%
28,154
13%
118
26%
43,405
18%
167
27%
44,543
21%
193
14%
23,618
18%
172
Mid- to 3:59 night
4:00 to 7:59
8:00 to 11:59
Noon to 3:59
4:00 to 7:59
8:00 to 11:59
A.M.
P.M.

KILLED/INJURED - BY AGE GROUP

AGE OF PERSON	KILLED	PERCENT	INJURED	PERCENT
Under 1	5	.47	263	.39
1	3	.28	248	.37
2	5	.47	313	.46
3	1	.09	360	.53
4	0	.00	385	.57
5	4	.38	412	.61
6 - 10	25	2.36	2,343	3.46
11 - 15	43	4.06	3,181	4.70
16 - 20	172	16.26	13,575	20.04
21 - 25	152	14.37	10,716	15.82
26 - 30	133	12.57	8,373	12.36
31 - 35	80	7.56	6,022	8.89
36 - 40	56	5.29	4,562	6.73
41 - 45	62	5.86	3,240	4.78
46 - 50	40	3.78	2,413	3.56
51 - 55	37	3.50	2,051	3.03
56 - 60	41	3.88	1,994	2.94
61 - 65	41	3.88	1,716	2.53
66 - 70	30	2.84	1,335	1.97
71 - 75	44	4.16	1,126	1.66
76 - and Over	80	7.56	1,476	2.18
Not Stated	4	.38	1,632	2.41

AGE OF DRIVERS OF MOTORIZED VEHICLES INVOLVED IN ACCIDENTS

AGE OF DRIVER	NUMBER INVOLVED	SEVERITY		
		FATAL ACCIDENTS	INJURY ACCIDENTS	PROP. DAMAGE ACCIDENTS
15 and Under	668	10	291	367
16	10,219	53	3,045	7,121
17	10,663	43	3,265	7,355
18	9,980	60	3,126	6,794
19	8,847	39	2,687	6,121
20	8,360	36	2,530	5,794
21 - 25	42,846	219	13,027	29,600
26 - 30	36,147	226	10,912	25,009
31 - 35	27,930	142	8,340	19,448
36 - 40	22,434	115	6,487	15,832
41 - 45	15,688	101	4,521	11,066
46 - 50	11,941	64	3,406	8,471
51 - 55	10,096	54	2,903	7,139
56 - 60	9,378	60	2,709	6,609
61 - 65	7,946	48	2,284	5,614
66 - 70	6,182	48	1,687	4,447
71 - 75	4,930	38	1,401	3,491
76 and Over	6,120	63	1,654	4,403
Not Stated	40,651	23	2,845	37,783
TOTAL DRIVERS	291,026	1,442	77,120	212,464

STATEWIDE TRAFFIC CRASHES

ROAD CONDITIONS	FATAL ACCIDENTS	PERCENT	ALL ACCIDENTS	PERCENT
Dry	770	82.0	125,318	74.0
Wet	141	15.0	32,572	19.2
Snow	14	1.5	4,770	2.8
Ice	12	1.2	5,231	3.1
Mud	1	0.1	128	0.1
Not Stated	2	0.2	1,379	0.8
Total	940	100.0	169,398	100.0

WEATHER CONDITIONS	FATAL ACCIDENTS	PERCENT	ALL ACCIDENTS	PERCENT
Clear	574	61.1	91,637	54.1
Cloudy	250	26.6	38,722	22.9
Rain	70	7.5	17,512	10.3
Snow	15	1.6	3,999	2.4
Sleet	2	0.2	558	0.3
Freezing Rain	6	0.6	1,382	0.8
Fog or Mist	18	1.9	1,422	0.8
Not Stated	5	0.5	14,166	8.4
Total	940	100.0	169,398	100.0

LIGHT CONDITIONS	FATAL ACCIDENTS	PERCENT	ALL ACCIDENTS	PERCENT
Daylight	466	49.6	116,625	68.8
Dark W/Street Lights On	113	12.0	30,812	18.2
Dark W/Street Lights Off	5	0.5	1,528	0.9
Dark - No Street Lights	350	37.2	18,824	11.1
Not Stated	6	0.7	1,609	1.0
Total	940	100.0	169,398	100.0

MISCELLANEOUS INFORMATION		
IN KNOWN CASES	ACCIDENTS	
	FATAL	ALL
Drivers with physical impairment	2.09%	1.06%
Defective vehicles involved	2.10%	3.71%
Occurred on roadway	58.04%	83.01%
Occurred off roadway	41.96%	16.99%
Occurred at intersection	10.32%	21.93%
One vehicle accidents	52.02%	23.05%
Speed a contributing circumstance	39.52%	18.52%
Driver left the scene	1.17%	10.59%
Hazardous material involved	0.53%	0.13%
Hazardous material released/spilled	0.11%	0.01%

MOTOR VEHICLE TRAFFIC ACCIDENTS

BY CLASS OF TRAFFICWAY - STATEWIDE

CLASSIFICATION OF TRAFFICWAY	ACCIDENT SEVERITY				PERSONAL SEVERITY		
	FATAL	NON-FATAL INJURY	PROP. DAMAGE	TOTAL	KILLED	INJURED	TOTAL
INTERSTATE	139	4,275	10,976	15,390	154	6,528	6,682
U. S. NUMBERED	185	5,714	14,468	20,367	211	9,300	9,511
STATE NUMBERED	216	7,700	17,352	25,268	250	12,121	12,371
STATE LETTERED	175	4,140	7,257	11,572	196	6,441	6,637
ALT/BYPASS	3	77	147	227	5	122	127
BUS. RT., LOOP, SPUR	7	874	2,567	3,448	9	1,323	1,332
OUTER ROAD	10	444	1,186	1,640	10	686	696
COUNTY ROAD	78	3,272	6,261	9,611	82	5,066	5,148
CITY STREET	123	18,020	62,649	80,792	137	25,918	26,055
ALL OTHERS	4	160	919	1,083	4	231	235
TOTALS	940	44,676	123,782	169,398	1,058	67,736	68,794

DRIVERS KILLED ..... 662 **PASSENGERS KILLED 283**

PEDESTRIANS KILLED ..... 94 **PEDALCYCLISTS KILLED 19**

PEDESTRIAN INFORMATION						
	RURAL		URBAN		TOTAL	
PEDESTRIAN ACTION	KILLED	INJURED	KILLED	INJURED	KILLED	INJURED
AT INTERSECTION.....						
WITH SIGNAL	0	11	2	176	2	187
AGAINST SIGNAL	0	7	0	93	0	100
NO SIGNAL	5	40	10	273	15	313
DIAGONALLY	0	4	1	56	1	60
NOT AT INTERSECTION						
BEHIND PARKED CAR	0	32	2	280	2	312
WALKING WITH TRAFFIC	6	33	4	63	10	96
WALKING AGAINST TRAFFIC	5	26	2	80	7	106
GETTING ON/OFF VEHICLE	0	16	1	63	1	79
STANDING IN ROADWAY	3	42	6	135	9	177
PUSHING/WORKING ON VEH. IN ROAD	0	22	1	22	1	44
OTHER WORKING	3	13	0	20	3	33
PLAYING IN ROADWAY	1	31	3	93	4	124
OTHER IN ROADWAY	12	78	16	273	28	351
OFF ROADWAY	1	20	1	71	2	91
CROSSWALK MARKED	0	4	2	30	2	34
NOT STATED	2	22	5	145	7	167
TOTALS	38	401	56	1,873	94	2,274

PEDESTRIANS BY AGE

FATALITIES				
AGE OF FATALITY	**MALE**	**FEMALE**	**TOTAL**	**%**
5 and Under	3	1	4	4.3
6 - 10	5	5	10	10.6
11 - 15	3	1	4	4.3
16 - 20	5	1	6	6.4
21 - 25	7	0	7	7.4
26 - 30	5	3	8	8.5
31 - 35	5	2	7	7.4
36 - 40	4	0	4	4.3
41 - 45	6	2	8	8.6
46 - 50	5	1	6	6.4
51 - 55	2	0	2	2.1
56 - 60	5	0	5	5.3
61 - 65	6	1	7	7.4
66 - 70	1	0	1	1.1
71 - 75	4	3	7	7.4
76 And Over	3	4	7	7.4
Not Stated	1	0	1	1.1
TOTAL	70	24	94	100.0

INJURIES				
AGE OF CASUALTY	**MALE**	**FEMALE**	**TOTAL***	**%**
5 and Under	166	95	261	11.4
6 - 10	249	136	385	17.0
11 - 15	149	102	253	11.1
16 - 20	139	78	217	9.5
21 - 25	141	68	209	9.2
26 - 30	121	66	187	8.2
31 - 35	84	39	123	5.4
36 - 40	74	47	121	5.3
41 - 45	57	26	83	3.7
46 - 50	45	17	62	2.7
51 - 55	33	21	54	2.3
56 - 60	27	18	45	2.0
61 - 65	15	20	35	1.6
66 - 70	25	15	40	1.8
71 - 75	21	19	40	1.8
76 and Over	33	43	76	3.3
Not Stated	48	28	82	3.7
TOTAL	1,427	838	2,274	100.0

*Pedestrians who's sex is unknown are included in total.

PROBABLE CONTRIBUTING CIRCUMSTANCES

THIS INCLUDES ALL DRIVERS/VEHICLES AND PEDESTRIANS.

PROBABLE CONTRIBUTING CIRCUMSTANCE	ACCIDENT SEVERITY				PERSONAL SEVERITY		
	FATAL	INJURY	PROP DAMAGE	TOTAL	KILLED	INJURED	TOTAL
SPEED/ALL	360	10,158	17,774	28,292	412	16,096	16,508
SPEED - EXCEEDED LIMIT	165	2,404	3,249	5,818	193	3,955	4,148
TOO FAST FOR CONDITIONS	225	8,191	15,121	23,537	252	12,860	13,112
IMPROPER PASSING	39	917	3,317	4,273	54	1,545	1,599
VIOLATION SIGNAL OR SIGN	39	3,111	5,002	8,152	43	5,262	5,305
WRONG SIDE - NOT PASSING	194	2,499	3,545	6,238	240	4,604	4,844
FOLLOWING TOO CLOSE	24	3,655	9,561	13,240	26	5,683	5,709
IMPROPER SIGNAL	2	179	696	877	2	280	282
IMPROPER BACKING	1	223	4,662	4,886	1	302	303
IMPROPER TURN	8	1,412	5,870	7,290	8	2,156	2,164
WRONG WAY - ONE WAY STREET	14	163	364	541	17	287	304
IMPROPER START - PARKING	2	154	745	901	2	224	226
IMPROPERLY PARKED	6	249	1,145	1,400	6	386	392
VEHICLE DEFECTS	19	1,573	4,106	5,698	19	2,384	2,403
FAILED TO YIELD	126	9,222	22,817	32,165	139	14,847	14,986
DRINKING	226	5,100	5,522	10,848	257	8,145	8,402
DRUGS	4	216	295	515	5	325	330
PHYSICAL IMPAIRMENT	24	764	869	1,657	27	1,061	1,088
INATTENTION	403	19,678	51,194	71,275	441	29,559	30,000

DRINKING DRIVERS OF MOTORIZED VEHICLES INVOLVED IN ACCIDENTS							
	HOUR OF OCCURRENCE						
AGE OF DRIVER	MID-NIGHT TO 3:59 a.m.	4 a.m. TO 7:59 a.m.	8 a.m. TO 11:59 a.m.	NOON TO 3:59 p.m.	4 p.m. TO 7:59 p.m.	8:00 p.m. TO 11:59 p.m.	UN-KNOWN TIME
15 & YOUNGER	8	1	0	0	1	11	0
16	66	10	7	8	18	71	2
17	115	21	5	15	37	81	5
18	150	19	7	11	42	109	1
19	158	21	4	26	53	99	5
20	176	23	11	13	53	110	2
21 - 25	1,020	154	40	137	362	750	23
26 - 30	766	113	47	115	403	666	12
31 - 35	405	60	27	104	293	476	10
36 - 40	214	41	36	87	201	294	6
41 - 45	125	13	13	55	145	202	6
46 - 50	62	4	20	48	105	122	2
51 - 55	29	6	17	34	86	88	0
56 - 60	29	1	14	35	70	84	1
61 - 65	21	1	11	26	57	45	1
66 - 70	4	1	4	22	41	27	0
71 - 75	1	1	6	13	9	10	2
76 and Over	1	1	4	15	11	7	0
Not Stated	180	34	24	52	107	184	39
Total	3,530	525	297	816	2,094	3,436	117

NOTE: On July 1, 1984, a new Missouri Uniform Traffic Accident Report Form was implemented Statewide. On the previous form a section was provided to list drinking information concerning drivers and pedestrians involved in an accident. This section was deleted on the new form. Drinking driver information is now captured in the probable contributing circumstances section only. This information will now be indicated on the form only if the investigating officer determines it to be a probable contributing circumstance. Because of these reporting differences, drinking driver statistics shown will not be consistent with those of past years. It may appear that a drastic reduction in drinking driver involvement has occurred when, in fact, there were no significant changes in this area.

DRINKING DRIVERS AND ACCIDENTS - Whether or not a driver has been drinking cannot always be determined at the scene of an accident. It is generally impossible to determine the drivers who have had one or a few drinks; yet, these drivers may be as much of a hazard as the obvious drunk. Because of the time lapse from the moment of occurrence until an officer arrives at the scene to make the investigation, a driver's condition concerning drinking can change a great deal. In cases where the driver may have been removed to a hospital, doctor's office or funeral home, his condition may never be determined.

ALL TRAFFIC CRASHES:

Involving Drinking Drivers 10,848
Involving Not Drinking 140,638
Information Not Known 17,912

Persons Killed In Alcohol Related Accidents 257
Persons Injured In Alcohol Related Accidents 8,145

IN KNOWN CASES:

7.2 out of every 100 traffic crashes in the State involved drinking.

In rural accidents, 9.6 out of every 100 traffic accidents involved drinking.

FATAL TRAFFIC CRASHES:

Involving Drinking 226
Involving Not Drinking 672
Information Not Known 42

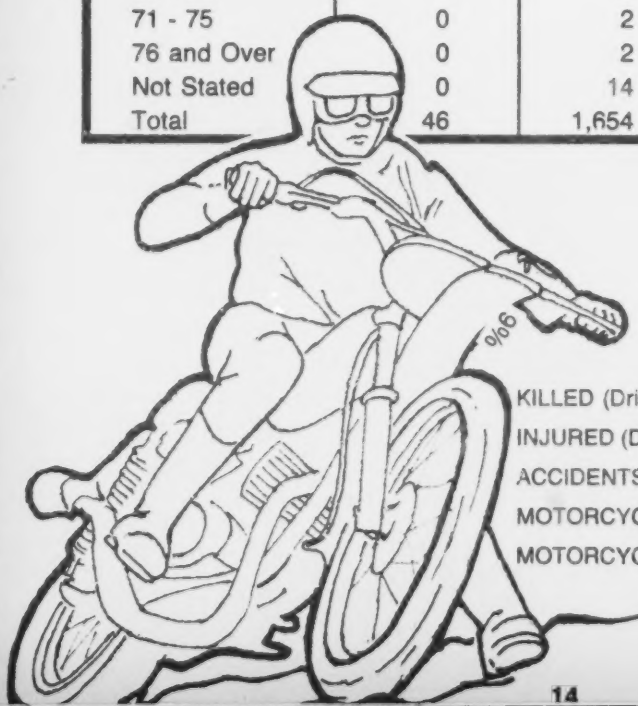
IN KNOWN CASES:

25.2 out of every 100 fatal accidents involved drinking.

MOTORCYCLE STATISTICS

MOTORCYCLE OPERATORS

AGE OF OPERATOR	KNOWN SEVERITY		NUMBER INVOLVED
	FATALITIES	INJURIES	
15 and Younger	4	62	81
16	2	44	66
17	2	57	71
18	4	82	112
19	2	92	126
20	3	94	124
21 - 25	7	385	500
26 - 30	7	308	378
31 - 35	5	213	270
36 - 40	3	130	157
41 - 45	7	58	89
46 - 50	0	45	53
51 - 55	0	34	42
56 - 60	0	15	19
61 - 65	0	12	16
66 - 70	0	5	5
71 - 75	0	2	4
76 and Over	0	2	2
Not Stated	0	14	101
Total	46	1,654	2,216



STATE TOTALS

KILLED (Drivers & Passengers) **54**

INJURED (Drivers & Passengers) **1,934**

ACCIDENTS **2,242**

MOTORCYCLES REGISTERED **72,460**

MOTORCYCLE LICENSED OPERATORS **251,146**

THIS INCLUDES 3 WHEEL AND 4 WHEEL BUT NOT MOPEDS OR ALL-TERRAIN VEHICLES (ATVs).

SAFETY DEVICE USAGE

SAFETY DEVICES	DRIVERS				PASSENGERS			
	KILLED	PERCENT	INJURED	PERCENT	KILLED	PERCENT	INJURED	PERCENT
NO SEAT BELTS	43	6.3	2,067	4.8	17	6.0	1,329	6.0
SEAT BELTS NOT USED	415	60.9	15,178	35.2	173	61.1	9,976	44.8
SEAT BELTS USED	82	12.0	19,605	45.4	45	16.0	8,132	36.4
CHILD RESTRAINT USED	0	0.0	0	0.0	2	0.7	331	1.4
SEAT BELT USE UNK.	93	13.7	4,853	11.2	36	12.7	2,273	10.1
SEAT BELT FAILURE	1	0.2	33	0.1	1	0.3	22	0.1
HELMET USED	37	5.4	1,159	2.7	5	1.8	205	1.0
HELMET NOT USED	10	1.5	257	0.6	4	1.4	42	0.2
TOTAL	681	100.0	43,152	100.0	283	100.0	22,310	100.0

VEHICLE BODY TYPE ANALYSIS

VEHICLE BODY TYPE	VEHICLE TYPES INVOLVED			PERSONS IN EACH VEHICLE TYPE	
	ACCIDENT SEVERITY			DRIVERS/PASS.	
	FATAL	INJURY	PROP. DAMAGE	KILLED	INJURED
PASSENGER CAR - HARDTOP	599	36,564	104,438	548	45,538
PASSENGER CAR - CONVERTIBLE	19	586	1,391	20	569
STATION WAGON	45	3,466	9,083	27	3,008
VAN	55	2,690	8,420	39	2,090
BUS	4	342	1,073	2	477
SCHOOL BUS	7	166	786	0	195
MOTORCYCLE	54	1,706	482	54	1,934
ALL-TERRAIN VEHICLE	8	77	30	8	92
MOPED	0	24	12	0	25
BICYCLE	17	1,184	219	19	1,199
MOTORHOME/CAMPER	3	63	243	0	51
FARM IMPLEMENTS	7	64	164	6	25
CONSTRUCTION EQUIPMENT	0	32	208	0	5
OTHER TRANSPORT DEVICES	14	124	319	3	54
UNKNOWN	310	11,498	35,248	202	9,229
SINGLE UNIT TRUCKS	127	1,606	5,865	34	781
TWO UNIT TRUCKS	7	60	253	2	26
MULTI-UNIT TRUCKS	6	416	6,273	0	164

URBAN TRAFFIC FATALITIES

CITY	1984	1985	1986	1987	CITY	1984	1985	1986	1987
Arnold	5	3	2	8	Lee's Summit	4	1	3	5
Aurora	0	1	2	0	Lexington	0	2	0	0
Bellefont. Nbrs.	0	2	1	3	Liberty	1	5	2	1
Belton	1	2	0	3	Macon	0	1	0	3
Berkeley	2	5	8	3	Malden	0	1	0	0
Blue Springs	5	5	0	4	Manchester	0	1	1	1
Black Jack	0	1	0	0	Maplewood	1	0	0	0
Boonville	0	0	0	2	Marshall	0	1	1	0
Brentwood	0	0	1	0	Maryland Hgts.	0	1	3	4
Bridgeton	2	2	7	5	Maryville	0	1	1	1
Brookfield	1	0	0	0	Mexico	0	1	0	1
Cape Girardeau	4	2	1	2	Moberly	2	3	2	0
Carthage	0	2	1	0	Monett	0	0	1	2
Caruthersville	1	0	0	0	Neosho	2	0	1	1
Charleston	1	0	0	1	Nevada	3	0	3	1
Chillicothe	1	0	0	0	Normandy	1	0	0	0
Clayton	0	0	1	0	O'Fallon	2	1	3	5
Clinton	1	0	1	0	Overland	2	0	0	1
Columbia	5	9	6	6	Perryville	1	0	1	0
Creve Coeur	0	0	0	1	Pine Lawn	0	0	1	0
Dellwood	1	3	3	1	Poplar Bluff	4	3	0	2
DeSoto	1	0	0	0	Raytown	3	3	2	2
Des Peres	3	0	0	0	Richmond	1	1	0	1
Dexter	0	1	2	1	Richmond Hgts.	2	1	0	2
Ellisville	1	1	5	0	Rock Hill	0	1	1	2
Excelsior Springs	1	1	1	0	Rolla	0	3	2	4
Farmington	0	1	1	1	Saint Ann	1	1	2	1
Ferguson	2	1	1	2	Saint Charles	1	10	10	7
Festus	1	0	1	3	Saint John	0	0	0	2
Florissant	6	1	1	0	Saint Joseph	6	6	4	4
Fulton	0	0	0	1	Saint Louis	49	55	54	39
Gladstone	1	0	0	0	Saint Peters	4	1	2	3
Glendale	0	0	1	0	Sedalia	0	1	1	2
Grandview	3	2	3	2	Shrewsbury	0	0	0	1
Hannibal	1	1	2	1	Sikeston	2	0	1	1
Harrisonville	1	0	2	0	Springfield	26	11	16	14
Hazelwood	3	3	2	5	Sullivan	4	0	1	1
Independence	14	12	12	14	Town & Country	0	1	2	4
Jackson	0	1	0	1	Trenton	0	0	1	2
Jefferson City	1	1	3	6	Union	1	0	0	0
Jennings	1	2	0	0	University City	3	1	1	3
Joplin	7	5	7	6	Warrensburg	1	0	1	0
Kansas City	81	88	92	81	Washington	0	0	0	1
Kennett	0	2	0	2	Webster Groves	2	1	2	1
Kirksville	3	1	1	1	Webb City	0	1	0	0
Kirkwood	1	1	0	1	West Plains	1	0	1	2
Ladue	2	1	0	0					
Lebanon	0	0	5	0	TOTALS	294	283	303	294

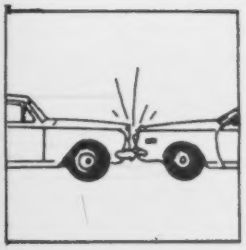
URBAN AND RURAL COMPARISON

URBAN ACCIDENTS IN MISSOURI					
TYPE OF ACCIDENT	FATAL	INJURY	PROP DAMAGE	TOTAL	%
OVERTURNING	10	562	383	955	0.8
OTHER NON-COLLISION	1	219	426	646	0.6
PEDESTRIAN	53	1,673	41	1,767	1.5
MOTOR VEHICLE IN TRANSPORT	109	19,212	64,055	83,376	71.9
MOTOR VEHICLE ON OTHER ROADWAY	4	76	166	246	0.2
PARKED MOTOR VEHICLE	5	1,083	12,866	13,954	12.0
RAILWAY TRAIN	2	39	56	97	0.1
PEDALCYCLIST	8	917	183	1,108	1.0
ANIMAL	0	28	574	602	0.5
FIXED OBJECT	75	3,650	9,062	12,787	11.0
OTHER OBJECT	2	70	410	482	0.4
TOTAL	269	27,529	88,222	116,020	100.0
PERCENTAGE	0.2	23.8	76.0	100.0	

RURAL ACCIDENTS IN MISSOURI					
TYPE OF ACCIDENT	FATAL	INJURY	PROP DAMAGE	TOTAL	%
OVERTURNING	91	1,867	1,387	3,345	6.3
OTHER NON-COLLISION	7	128	688	823	1.5
PEDESTRIAN	33	332	8	373	0.7
MOTOR VEHICLE IN TRANSPORT	275	8,310	19,653	28,238	52.9
MOTOR VEHICLE ON OTHER ROADWAY	6	41	99	146	0.3
PARKED MOTOR VEHICLE	9	338	2,635	2,982	5.6
RAILWAY TRAIN	8	31	37	76	0.1
PEDALCYCLIST	8	263	34	305	0.6
ANIMAL	2	165	3,226	3,393	6.4
FIXED OBJECT	229	5,616	7,467	13,312	24.9
OTHER OBJECT	3	56	326	385	0.7
TOTAL	671	17,147	35,560	53,378	100.0
PERCENTAGE	1.3	32.1	66.6	100.0	

MISSOURI ACCIDENTS

TOTAL ACCIDENTS 169,398
TOTAL FATAL ACCIDENTS 940
TOTAL PERSONS KILLED 1,058
* THE TYPE OF ACCIDENT IS DETERMINED BY THE FIRST HARMFUL EVENT



COLLISION WITH: MOTOR VEHICLE IN TRANSPORT

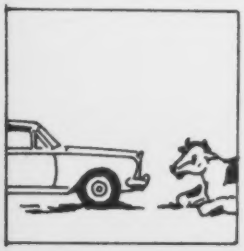
111,614 accidents 65.9%
461 fatalities

COLLISION WITH: FIXED OBJECT

26,099 accidents 15.4%
334 fatalities

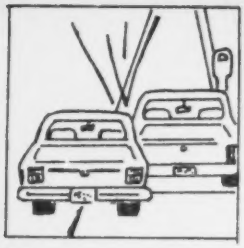
NON-COLLISION OVERTURNING

4,300 accidents 2.5%
105 fatalities



COLLISION WITH: ANIMAL

3,995 accidents 2.4%
2 fatalities

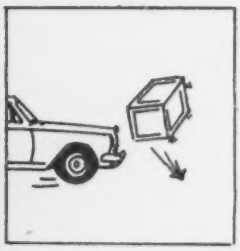


COLLISION WITH: MOTOR VEHICLE PARKED

16,936 accidents 10.0%
16 fatalities

OTHER NON-COLLISION

1,469 accidents 0.9%
8 fatalities



COLLISION WITH: OTHER OBJECT

867 accidents 0.5%
5 fatalities

COLLISION WITH: PEDESTRIAN

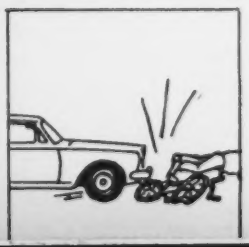
2,140 accidents 1.3%
88 fatalities

COLLISION WITH: RAILROAD TRAIN

173 accidents 0.1%
11 fatalities

COLLISION WITH: MOTOR VEHICLE ON OTHER ROADWAY

392 accidents 0.2%
12 fatalities



COLLISION WITH: BICYCLE (PEDAL VEHICLES)

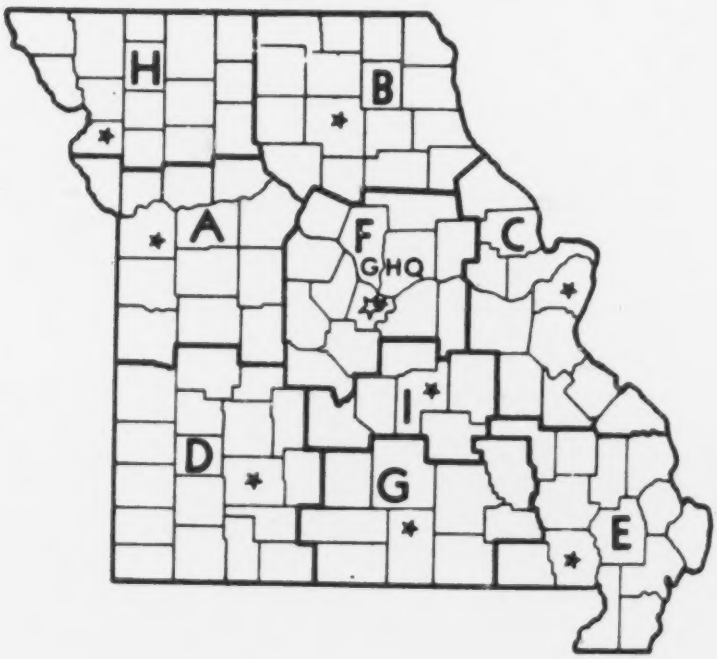
1,413 accidents 0.8%
16 fatalities

MISSOURI
HOLIDAY FATALITIES

HOLIDAY	YEAR	KILLED	PERIOD
Memorial Day	1986	18	From 6:00 p.m., Friday, May 23 to midnight, Monday, May 26.
Memorial Day	1987	12	From 6:00 p.m., Friday, May 22, to midnight, Monday, May 25.
4th of July	1986	16	From 6:00 p.m., Thursday, July 3, to midnight, Sunday, July 6.
4th of July	1987	8	From 6:00 p.m., Thursday, July 2, to midnight, Sunday, July 5.
Labor Day	1986	17	From 6:00 p.m., Friday, August 29, to midnight, Sunday, September 1.
Labor Day	1987	7	From 6:00 p.m., Friday, September 4, to midnight, Monday, September 7.
Thanksgiving	1986	12	From 6:00 p.m., Wednesday, November 26, to midnight, Sunday, November 30.
Thanksgiving	1987	12	From 6:00 p.m., Wednesday, November 25, to midnight, Sunday, November 29.
Christmas	1986	6	From 6:00 p.m., Wednesday, December 24, to midnight, Sunday, December 28.
Christmas	1987	7	From 6:00 p.m., Wednesday, December 23, to midnight, Sunday, December 27.
New Year	1986	19	From 6:00 p.m., Wednesday, December 31, to midnight, Sunday, January 4, 1987.
New Year	1987	9	From 6:00 p.m., Wednesday, December 30, to midnight, Sunday, January 3, 1988.

MISSOURI HIGHWAY PATROL

TROOP AREA MAP



TROOP	HEADQUARTERS	AREA CODE	TELEPHONE NO.
GHQ	Jefferson City	(314)	751-3313
A	Lee's Summit	(816)	524-1407
B	Macon	(816)	385-2132
C	Kirkwood	(314)	434-5500
* C	Flat River	(314)	431-0166
D	Springfield	(417)	869-1525
*D	Carthage	(417)	358-4686
E	Poplar Bluff	(314)	785-5757
*E	Sikeston	(314)	471-4500
F	Jefferson City	(314)	636-5171
G	Willow Springs	(417)	469-3121
H	St. Josephh	(816)	233-0291
I	Rolla	(314)	364-1215

*Satellites